AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Currently Amended) The noise controller of claim ~~6~~ **7**, further comprising:

a signal amplifying part amplifying said noise signal from said sensor part;

a first low pass filter filtering said amplified noise signal from said signal amplifying part and outputting a filtered noise signal to said phase perceiving part and said micro computer part;

a second low pass filter filtering said noise control signal from said micro computer part;

an electric power amplifying part amplifying a filtered noise control signal from said second low pass filter; and

an output part outputting an amplified filtered noise control signal from said electric power amplifying part.

3. (Currently Amended) The noise controller of claim ~~6~~ **7**, wherein said micro computer includes an index table.

4. (Currently Amended) The noise controller of claim ~~6~~ **7**, wherein said micro computer includes a neural net.

5. (Currently Amended) The noise controller of claim ~~**6**~~ **7**, wherein said micro computer includes a control rule controlling part (CRCP) generating said noise control signal to minimize said residual noise signal.

6. (Canceled)

7. (Previously Presented) A noise controller for actively controlling noise, the controller comprising:

a sensor part perceiving a noise and outputting a noise signal corresponding to said noise;

a phase perceiving part perceiving a phase of said noise signal and outputting a phase signal, said phase perceiving part including a transformer transforming said noise signal, a full-wave rectifier rectifying a transformed noise signal from said transformer, a pressure-sensitive circuit converting a fully rectified signal from said full-wave rectifier, and a bandpass filter bandpass filtering a converted signal from said pressure-sensitive circuit; and

a micro computer part generating a noise control signal based on a residual noise signal and an error variation signal.

8-10. (Canceled)

11. (Currently Amended) The method of claim ~~**15**~~ **16**, further comprising:

amplifying said noise signal;

low pass filtering said amplified noise signal;

low pass filtering said noise control signal;

power amplifying said filtered noise control signal; and

outputting said power amplified filtered noise control signal.

12. (Canceled)

13. (Currently Amended) The method of claim ~~15~~ **16**, wherein said residual noise signal and said error variation signal are generated through the use of a neural net.

14. (Currently Amended) The method of claim ~~15~~ **16**, wherein said noise control signal is generated to minimize said residual noise signal.

15. (Canceled)

16. (Previously Presented) A method of actively controlling noise, the method comprising:

perceiving a noise and generating a noise signal;

perceiving a phase of said noise signal and generating a phase signal, said phase perceiving step comprising transforming said noise signal, full-wave rectifying said transformed noise signal, converting said fully rectified signal, and bandpass filtering said converted signal; and

generating a noise control signal based on a residual noise signal and an error variation signal.

17-18. (Canceled)